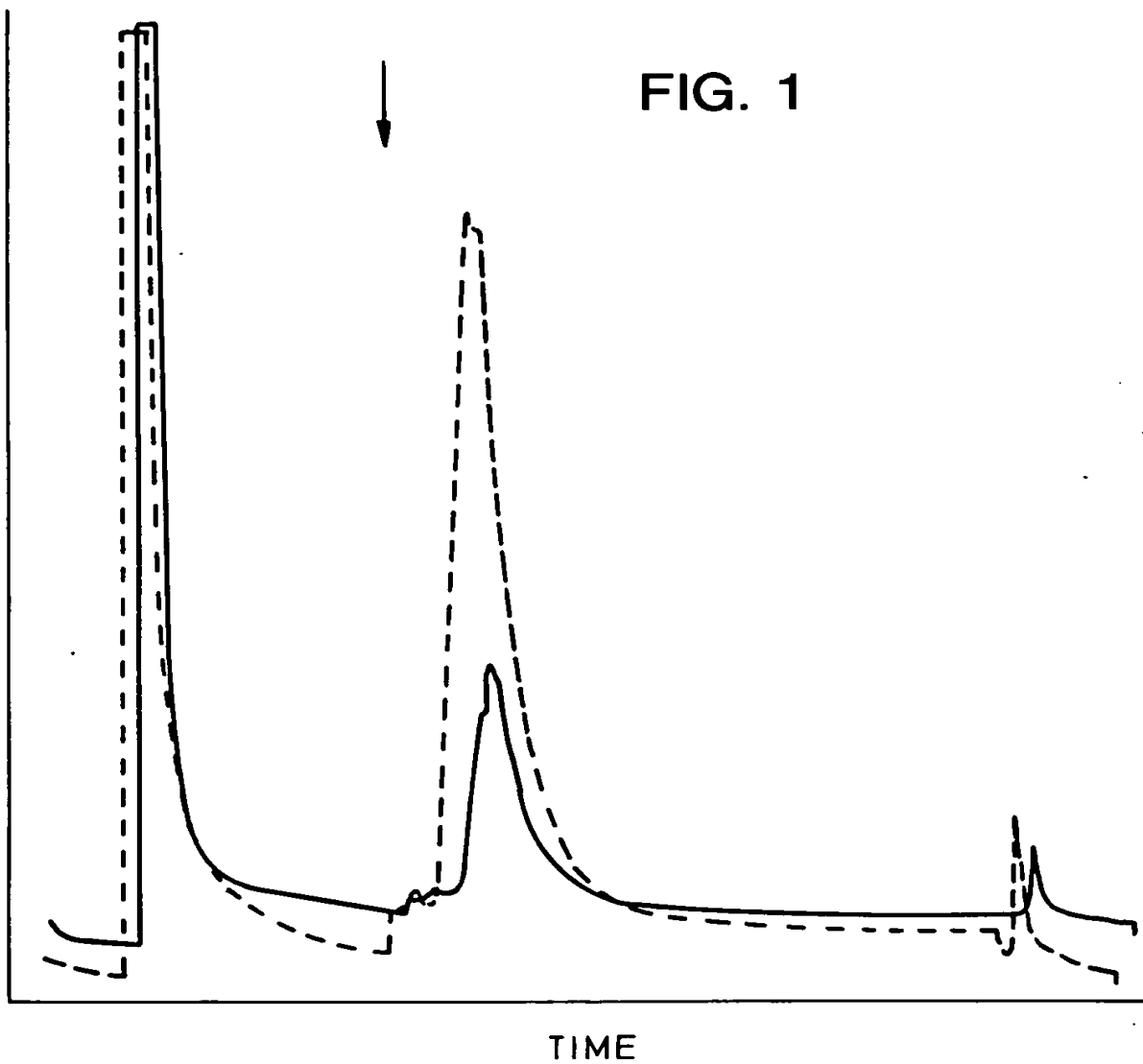


FOOT 00509200

A<sub>280nm</sub>



FOZT60" 80569260

FIG. 2A

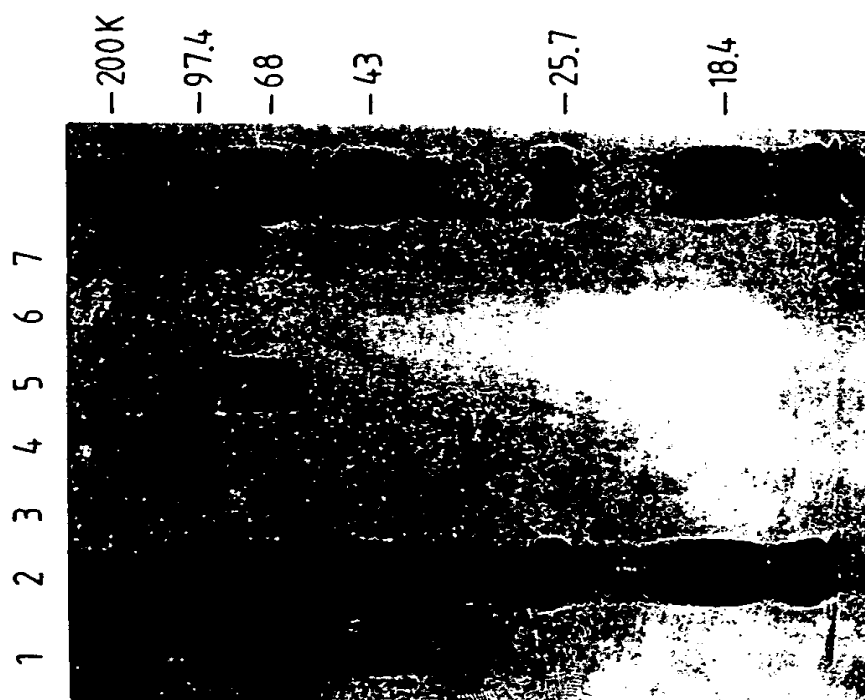


FIG. 2B

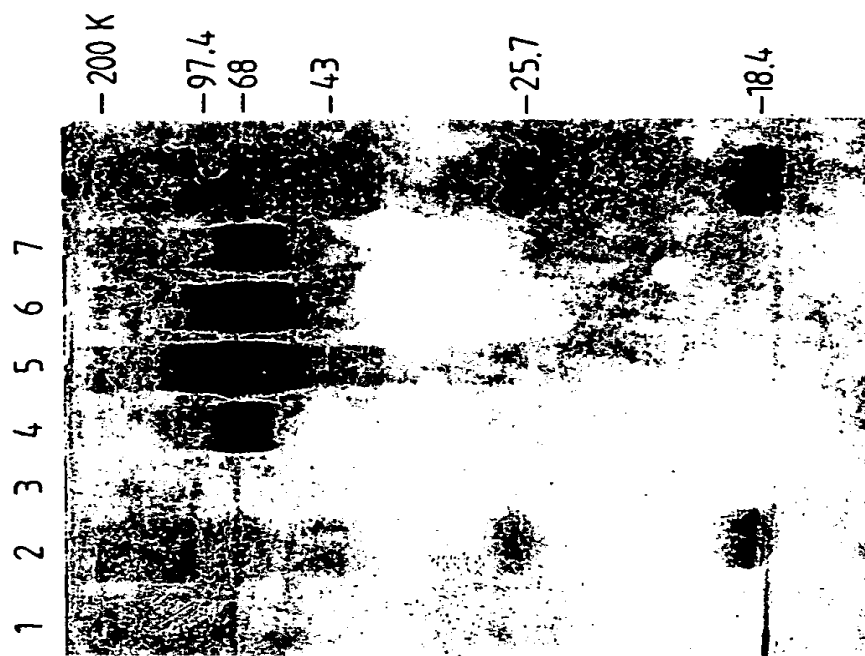
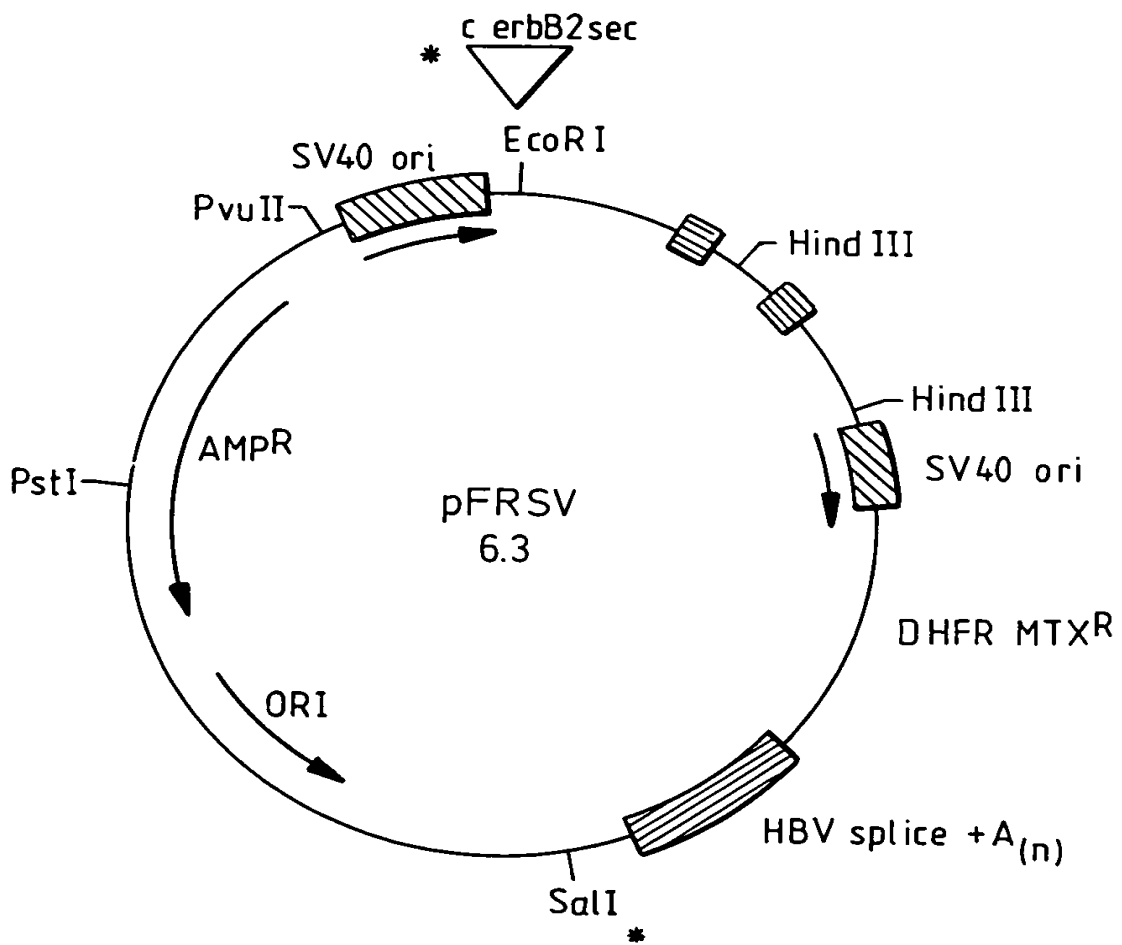


FIG. 3



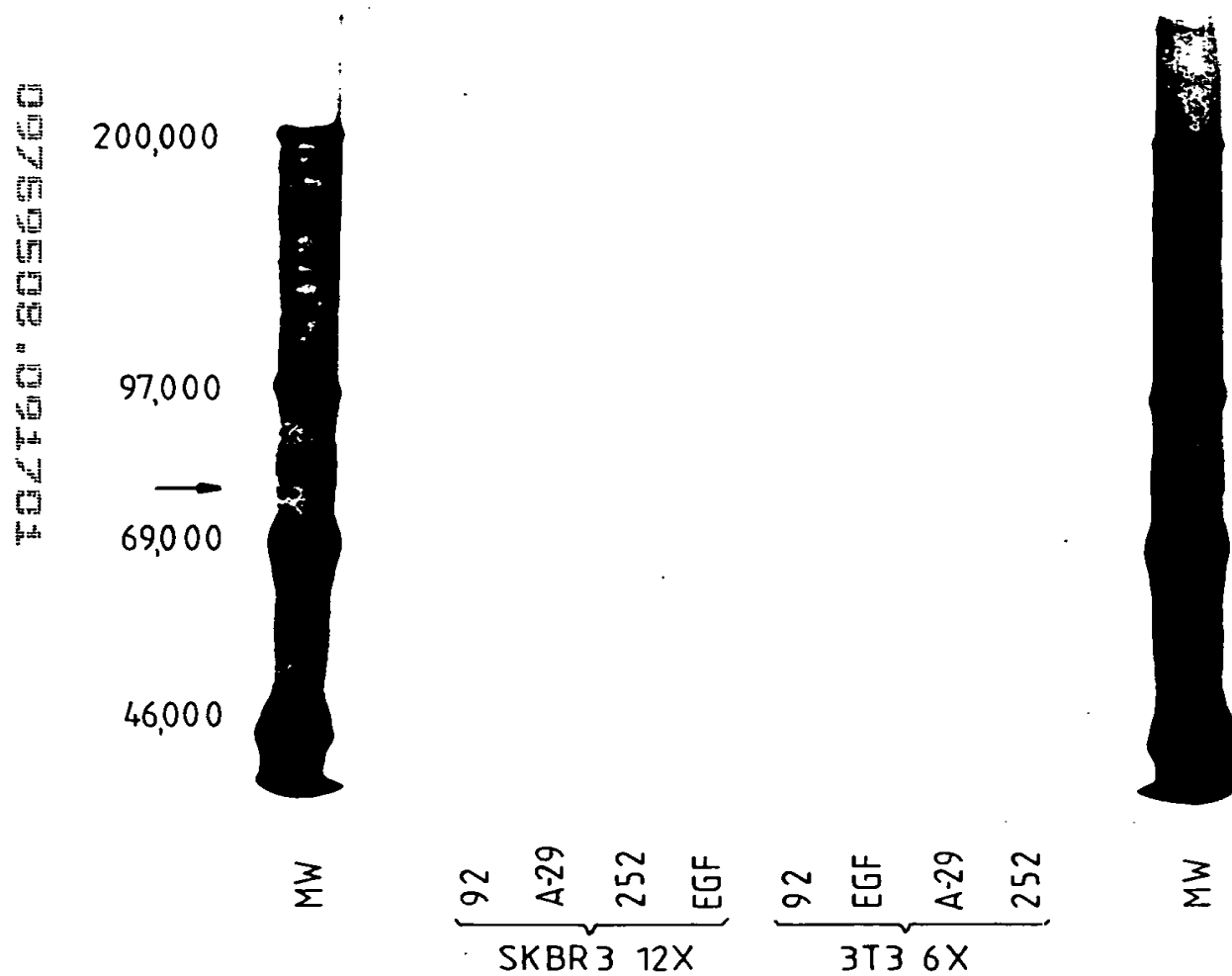
09769509.094704  
102760'80569260

FIG. 4



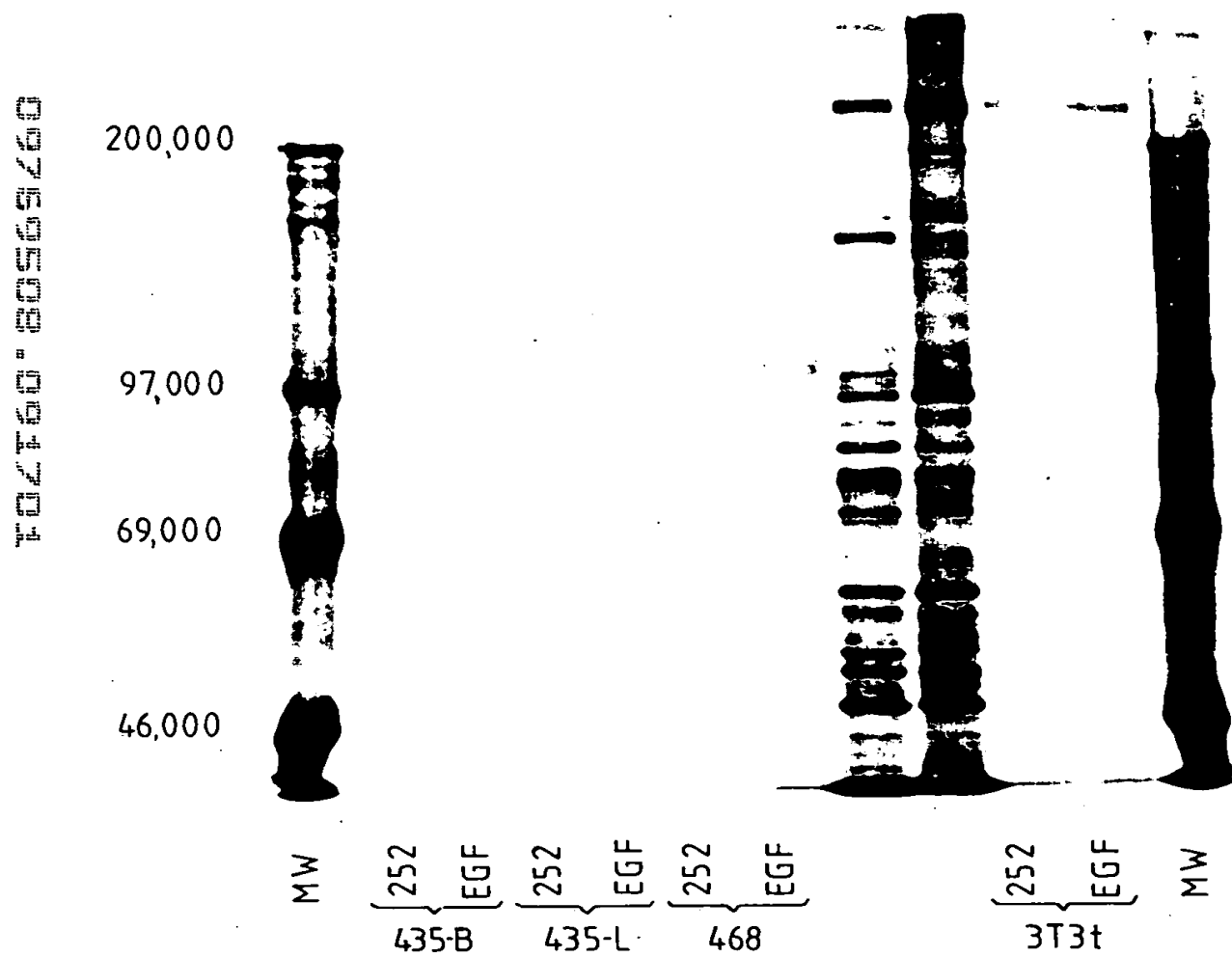
FIG. 5

Radioimmunoprecipitation of gp75 from SKBR3 Supernatant



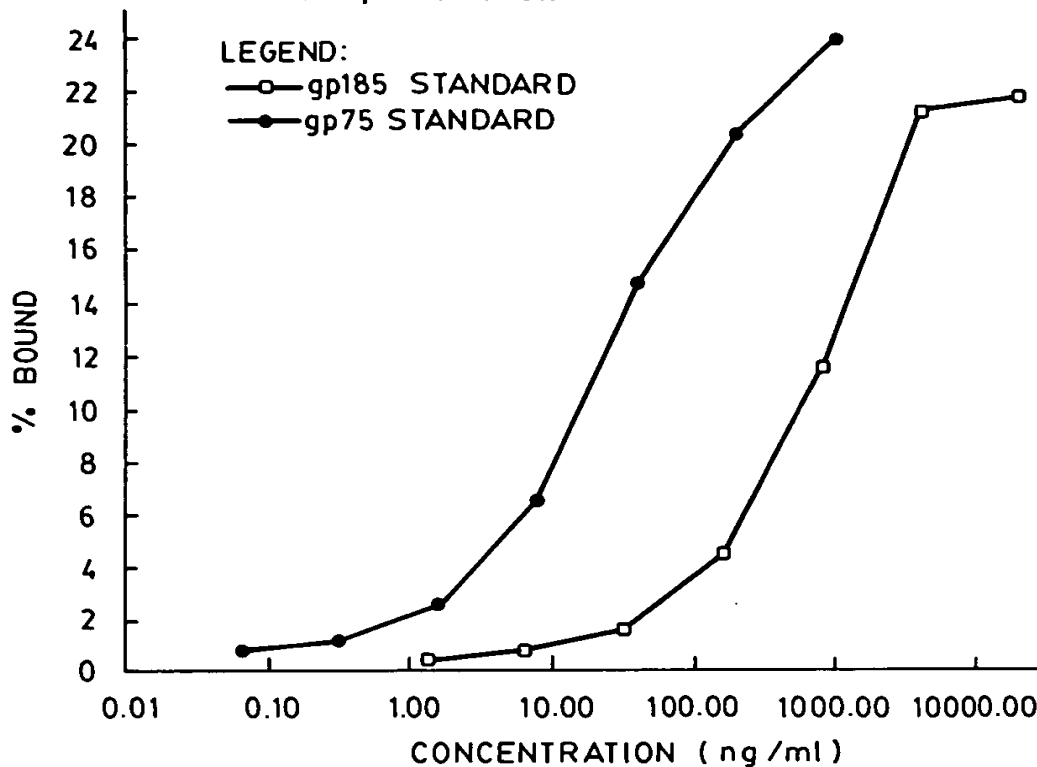
# FIG. 6

Radioimmunoprecipitation of Supernatants From Various Cell Lines



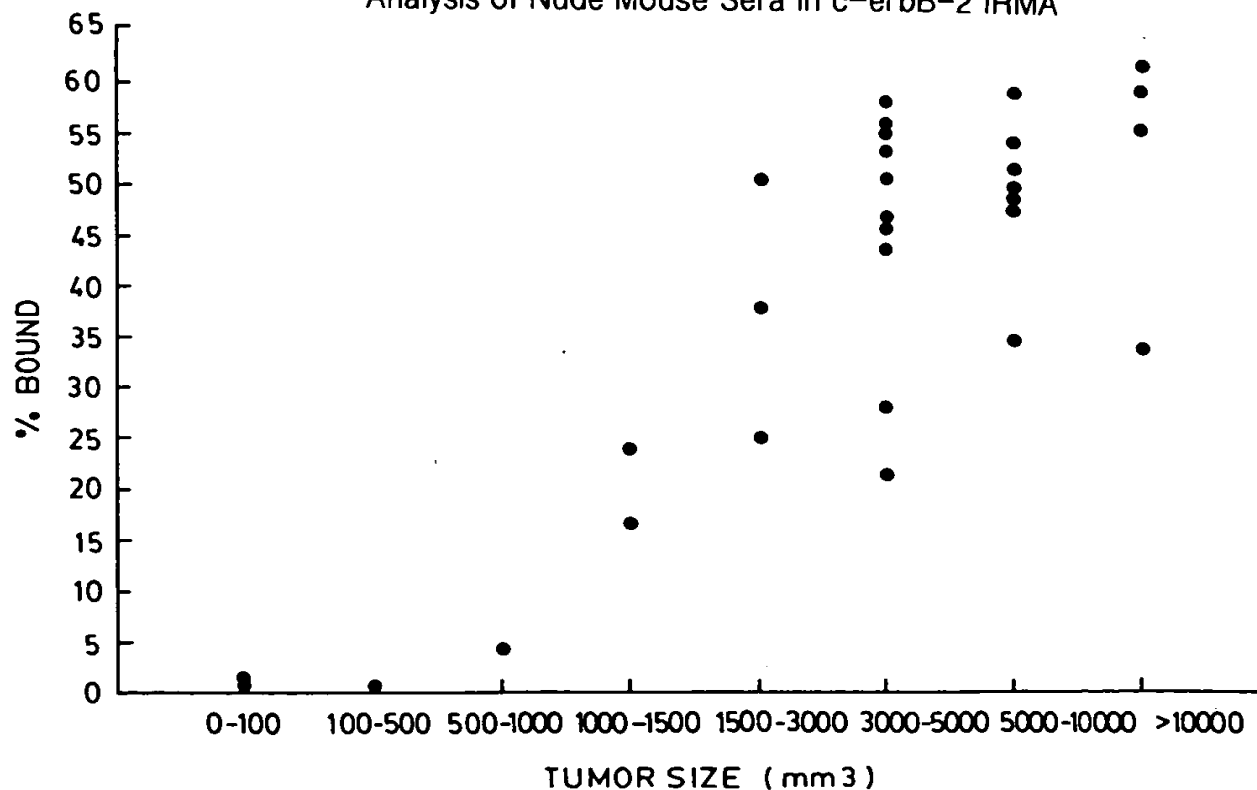
# FIG. 7

Comparison of Standards in Sandwich IRMA



# FIG. 8

Analysis of Nude Mouse Sera In c-erbB-2 IRMA



FOI 80969460

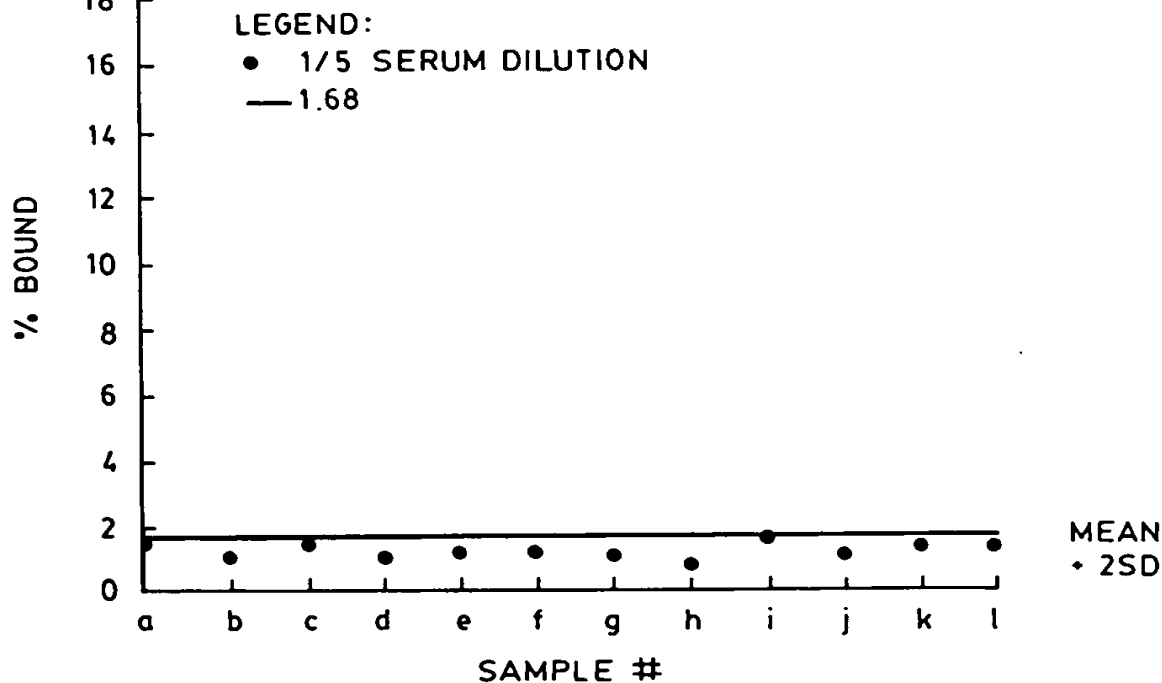
**FIG. 9**

Analysis of Nude Mouse Sera in the c-erbB-2 IRMA  
Treated vs. Untreated



**FIG. 10**

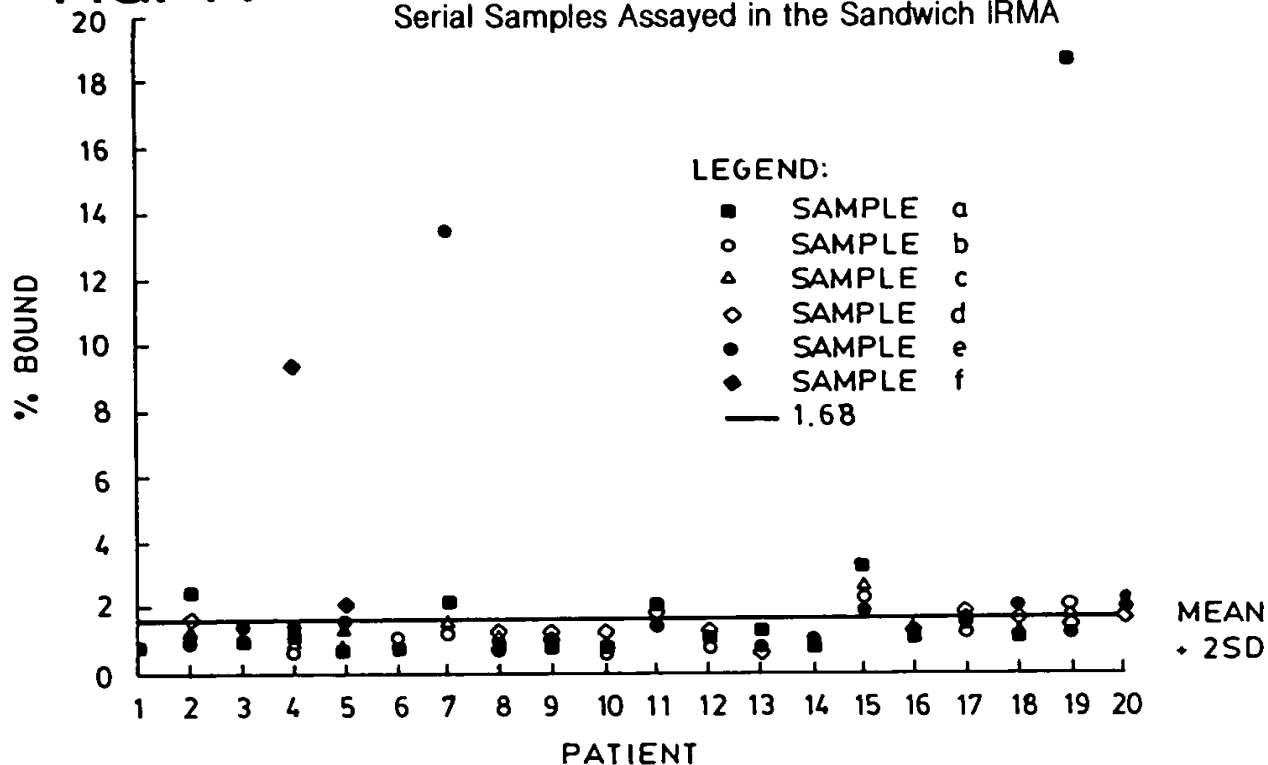
Analysis of Normal Human Sera in the c-erbB-2 IRMA





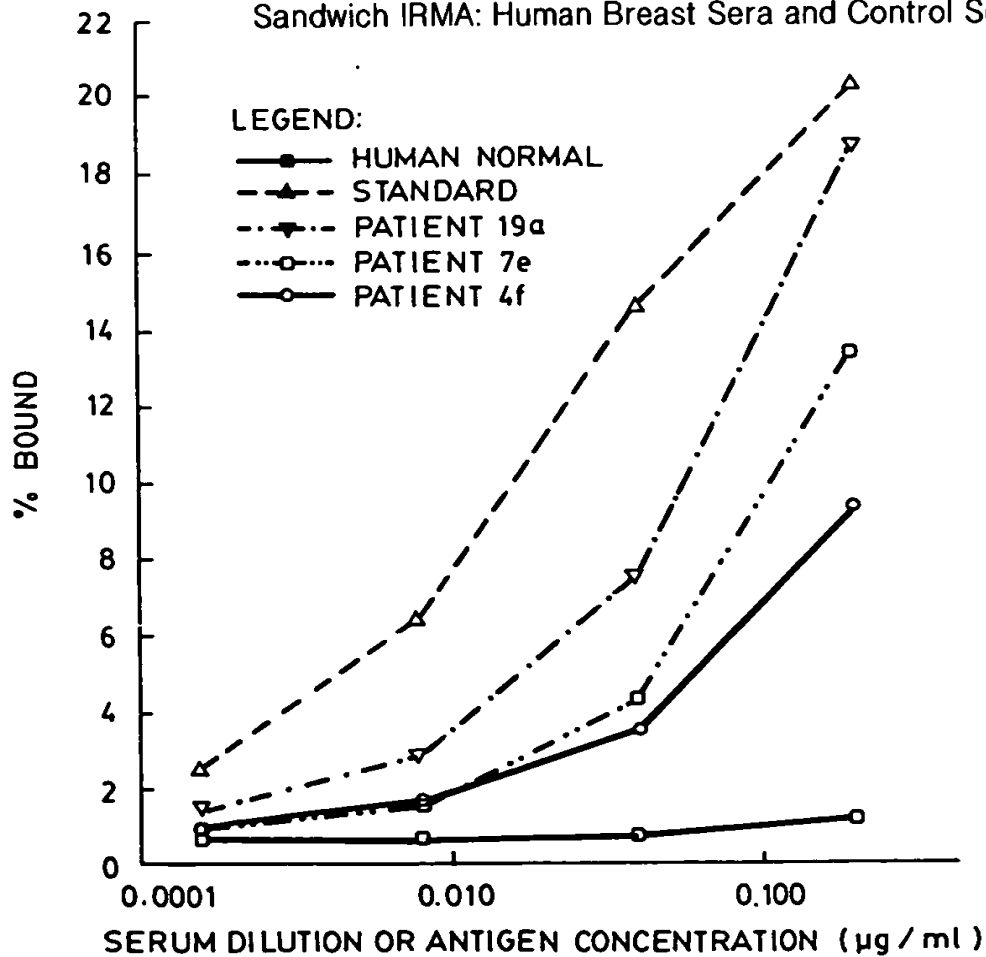
**FIG. 11**

Analysis of 20 Sera from Human Breast Cancer Patients  
Serial Samples Assayed in the Sandwich IRMA



**FIG. 12**

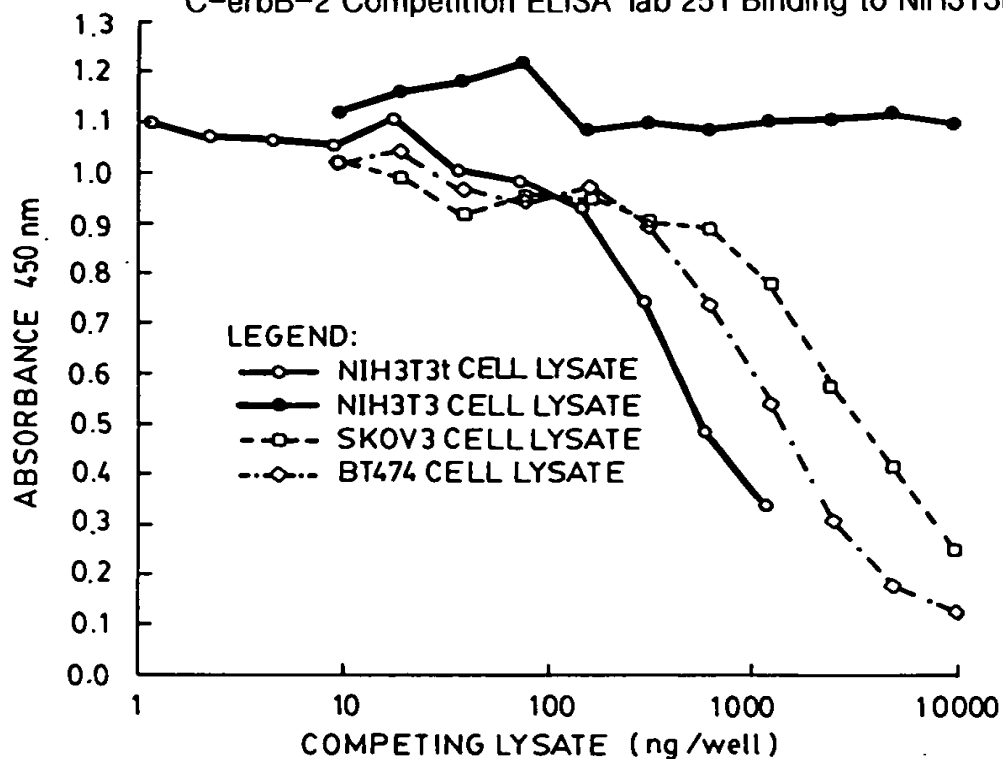
Sandwich IRMA: Human Breast Sera and Control Sera



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**FIG. 13**

C-erbB-2 Competition ELISA Tab 251 Binding to NIH3T3t Lysate



**FIG. 14**

C-erbB-2 Competition ELISA Tab 251 Binding to NIH3T3t Lysate

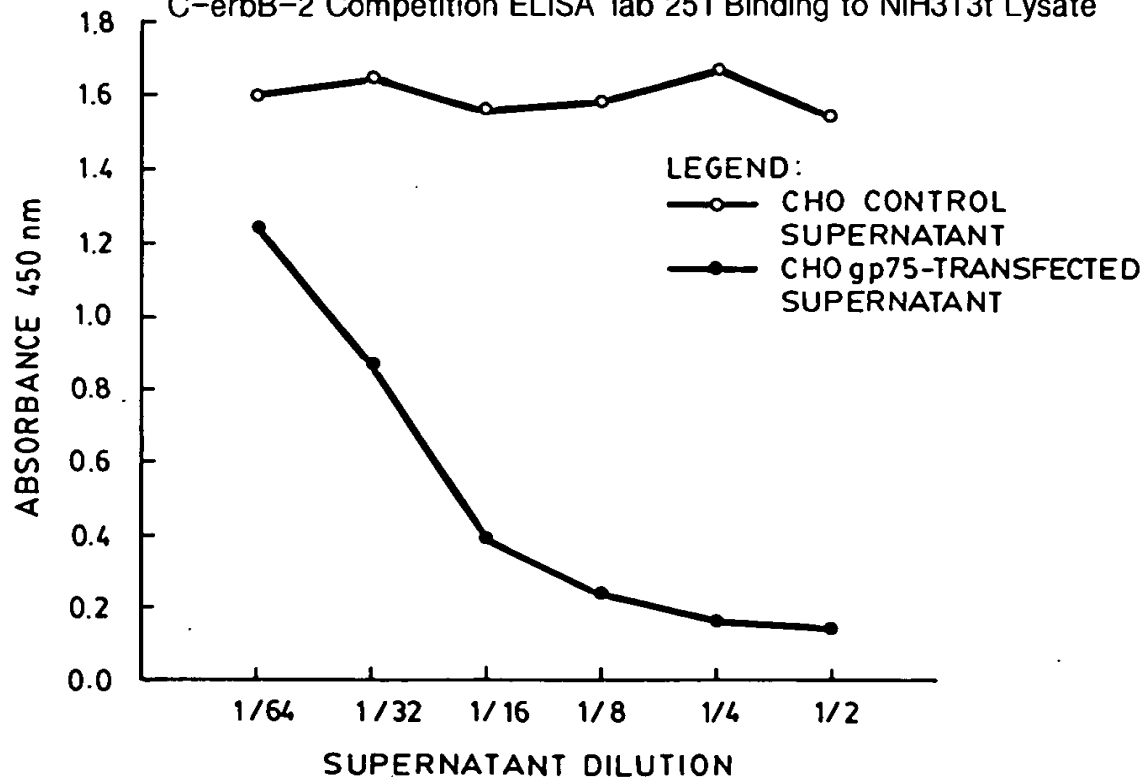
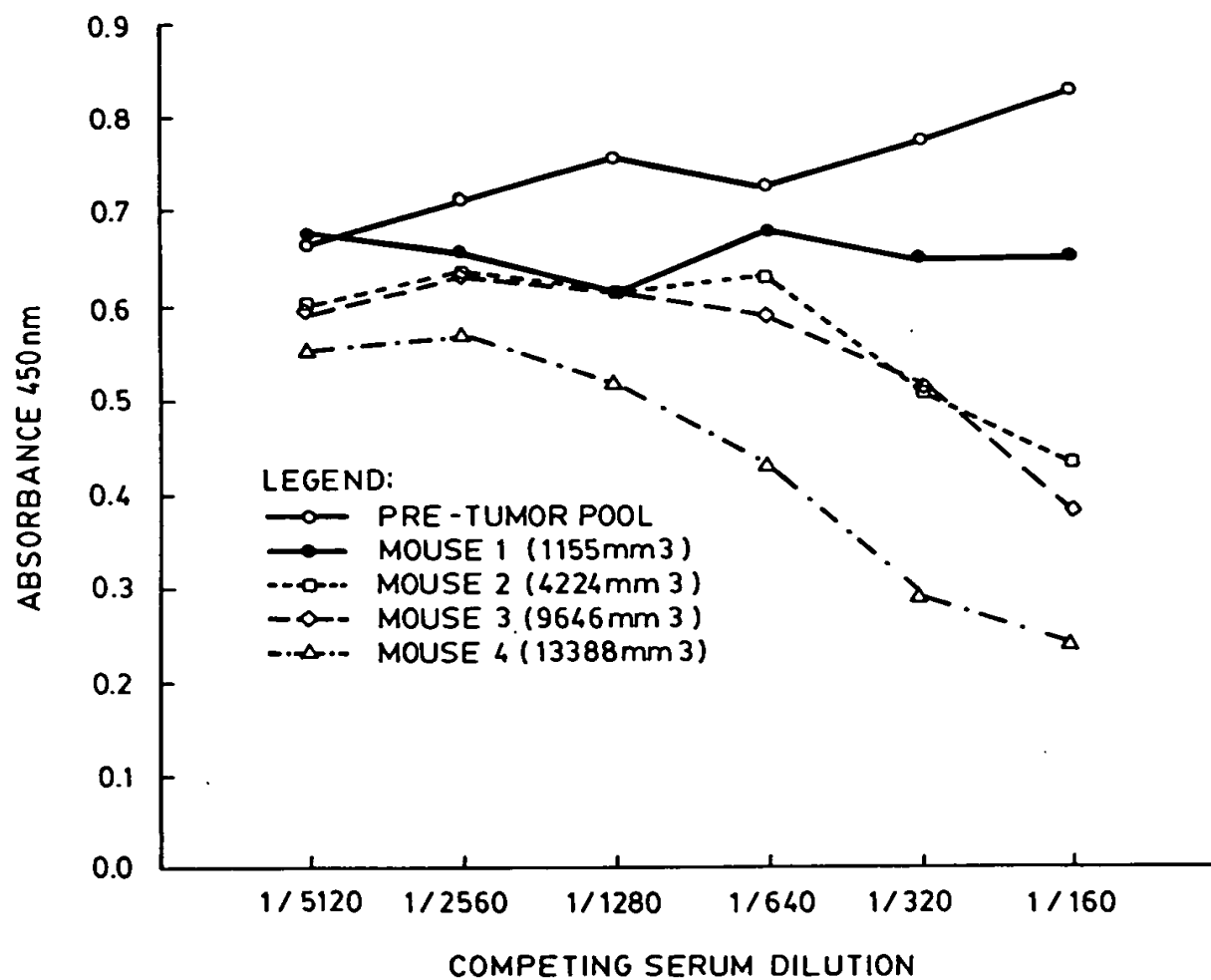


FIG. 15

C-erbB-2 Competition ELISA Tab 251 Binding to NIH3T3t Lysate



1 AATTCTCGAGCTCGTCGACCGGTCGACGAGCTCGAGGGTCGACGAGC  
1 10  
MetGluLeuAlaAlaLeuCysArgTrpGlyLeuLeuLeuAlaLeuLe  
151 ATGGAGCTGGCGGCCTTSTGCGCTGGGGGCTCCTCCTCGCCCTCTT  
60  
GlnGlyCysGlnValValGlnGlyAsnLeuGluLeuThrTyrLeuPr  
301 CAGGGCTGCCAGGTGGTGCAGGGAAACCTGGAACCTCACCTACCTGCC  
110  
IleValArgGlyThrGlnLeuPheGluAspAsnTyrAlaLeuAlaVa  
451 ATTGTGCGAGGCACCCAGCTCTTTGAGGACAACCTATGCCCTGGCCGT  
160  
GlyGlyValLeuIleGlnArgAsnProGlnLeuCysTyrGlnAspTh  
601 GGAGGGGTCTTGATCCAGCGGAACCCCCAGCTCTGCTACCAGGACAC  
210  
GlySerArgCysTrpGlyGluSerSerGluAspCysGlnSerLeuTh  
751 GGCTCCCGCTGCTGGGGAGAGAGTTCTGAGGATTGTCAGAGCCTGAC  
260  
AspCysLeuAlaCysLeuHisPheAsnHisSerGlyIleCysGluLe  
901 GACTGCTGGCCTGCTCCACTTCAACCACAGTGGCATCTGTGAGCT  
310  
TyrAsnTyrLeuSerThrAspValGlySerCysThrLeuValCysPr  
1051 TACAACTACCTTTCTACGGACGTGGGATCCTGACCCTCGTCTGCC  
360  
ArgGluValArgAlaValThrSerAlaAsnIleGlnGluPheAlaGl  
1201 CGAGAGGTGAGGGCAGTTACCAGTGCCAATATCCAGGAGTTTGCTGG  
410  
GluThrLeuGluGluIleThrGlyTyrLeuTyrIleSerAlaTrpPr  
1351 GAGACTCTGGAAGAGATCACAGGTTACCTATACATCTCAGCATGGCC  
460  
SerTrpLeuGlyLeuArgSerLeuArgGluLeuGlySerGlyLeuAl  
1501 AGCTGGCTGGGGCTGCGCTCACTGAGGGAACCTGGGCAGTGGACTGGC  
510  
GluAspGluCysValGlyGluGlyLeuAlaCysHisGlnLeuCysAl  
1651 GAGGACGAGTGTGTGGGCGAGGGCCTGGCCTGCCACCAGCTGTGCGC  
560  
ProArgGluTyrValAsnAlaArgHisCysLeuProCysHisProGl  
1801 CCCAGGGAGTATGTGAATGCCAGGCACTGTTTGGCCGTGCCACCCTGA  
610  
ProSerGlyValLysProAspLeuSerTyrMetProIleTrpLysPh  
1951 CCCAGCGGTGTGAAACCTGACCTCTCCTACATGCCCATCTGGAAGTT

FIG. 16A

TCGAGGGCGCGCGCCCCGGCCCCCACCCTCGCAGCACCCCGCGCCCCCGC

20 30  
uProProGlyAlaAlaSerThrGlnValCysThrGlyThrAspMetLysLe  
GCCCCCGGAGCCGCGAGCACCCAAGTGTGACCGGCACAGACATGAAGCT

70 80  
oThrAsnAlaSerLeuSerPheLeuGlnAspIleGlnGluValGlnGlyTy  
CACCAATGCCAGCCTGTCCTTCCTGCAGGATATCCAGGAGGTGCAGGGCTA

120 130  
lLeuAspAsnGlyAspProLeuAsnAsnThrThrProValThrGlyAlaSe  
GCTAGACAATGGAGACCCGCTGAACAATACCACCCCTGTCACAGGGGCCTC

170 180  
rIleLeuTrpLysAspIlePheHisLysAsnAsnGlnLeuAlaLeuThrLe  
GATTTTGTGGAAGGACATCTTCCACAAGAACAACCAGCTGGCTCTCACACT

220 230  
rArgThrValCysAlaGlyGlyCysAlaArgCysLysGlyProLeuProTh  
GCGCACTGTCTGTGCCGGTGGCTGTGCCCGCTGCAAGGGGGCCACTGCCAC

270 280  
uHisCysProAlaLeuValThrTyrAsnThrAspThrPheGluSerMetPr  
GCACTGCCAGCCCTGGTCACCTACAACACAGACACGTTTGAGTCCATGCC

320 330  
oLeuHisAsnGlnGluValThrAlaGluAspGlyThrGlnArgCysGluLy  
CCTGCACAACCAAGAGGTGACAGCAGAGGATGGAACACAGCGGTGTGAGAA

370 380  
yCysLysLysIlePheGlySerLeuAlaPheLeuProGluSerPheAspGl  
CTGCAAGAAGATCTTTGGGAGCCTGGCATTCTGCGGAGAGCTTTGATGG

420 430  
oAspSerLeuProAspLeuSerValPheGlnAsnLeuGlnValIleArgGl  
GGACAGCCTGCCTGACCTCAGCGTCTTCCAGAACCTGCAAGTAATCCGGGG

470 480  
aLeuIleHisHisAsnThrHisLeuCysPheValHisThrValProTrpAs  
CCTCATCCACCATAACACCCACCTCTGCTTCGTGCACACGGTGCCCTGGGA

520 530  
aArgArgAlaLeuLeuGlySerGlyProThrGlnCysValAsnCysSerGl  
CCGCAGGGCACTGCTGGGGTCAGGGCCCACCCAGTGTGTCAACTGCAGCCA

570 580  
uCysGlnProGlnAsnGlySerValThrCysPheGlyProGluAlaAspGl  
GTGTGAGCCCCAGAATGGCTCAGTGACCTGTGTTTGGACCGGAGGCTGACCA

620 630  
eProAspGluGluGlyAlaCysGlnProCysProIleAsnCysThrHisSe  
TCCAGATGAGGAGGGCGCATGCCAGCCTTGCCCCATCAACTGCACCCACTC

FIG. 16B

CCTCCCAGCCGGGTCCAGCCGGAGCCATGGGGCCGGAGCCGCAGTGAGCACC  
 40 50  
 uArgLeuProAlaSerProGluThrHisLeuAspMetLeuArgHisLeuTyr  
 GCGGCTCCCTGCCAGTCCCAGACCCACCTGGACATGCTCCGCCACCTCTAC  
 90 100  
 rValLeuIleAlaHisAsnGlnValArgGlnValProLeuGlnArgLeuArg  
 CGTGCTCATCGCTCACAACCAAGTGAGGCAGGTCCCCTGCAGAGGCTGCGG  
 140 150  
 rProGlyGlyLeuArgGluLeuGlnLeuArgSerLeuThrGluIleLeuLys  
 CCCAGGAGGCCTGCGGGAGCTGCAGCTTCGAAGCCTCACAGAGATCTTGAAA  
 190 200  
 uIleAspThrAsnArgSerArgAlaCysHisProCysSerProMetCysLys  
 GATAGACACCAACCGCTCTCGGGCCTGACACCCCTGTTCTCCGATGTGTAAAG  
 240 250  
 rAspCysCysHisGluGlnCysAlaAlaGlyCysThrGlyProLysHisSer  
 TGACTGCTGCTCATGAGCAGTGTGCTGCCGGCTGACGGGGCCCCAAGCACTCT  
 290 300  
 oAsnProGluGlyArgTyrThrPheGlyAlaSerCysValThrAlaCysPro  
 CAATCCCGAGGGCCGGTATACATTCGGCGCCAGCTGTGTGACTGCCGTGTCCC  
 340 350  
 sCysSerLysProCysAlaArgValCysTyrGlyLeuGlyMetGluHisLeu  
 GTGCAGCAAGCCCTGTGCCCGAGTGTGCTATGGTCTGGGCATGGAGCACTTG  
 390 400  
 yAspProAlaSerAsnThrAlaProLeuGlnProGluGlnLeuGlnValPhe  
 GGACCCAGCCTCCAACACTGCCCGCTCCAGCCAGAGCAGCTCCAAGTGTTT  
 440 450  
 yArgIleLeuHisAsnGlyAlaTyrSerLeuThrLeuGlnGlyLeuGlyIle  
 ACGAATTCTGCACAATGGCGCCTACTCGCTGACCCTGCAAGGGCTGGGCATC  
 490 500  
 pGlnLeuPheArgAsnProHisGlnAlaLeuLeuHisThrAlaAsnArgPro  
 CCAGCTCTTTCGGAACCCGCACCAAGCTCTGCTCCACACTGCCAACCGGCCA  
 540 550  
 nPheLeuArgGlyGlnGluCysValGluGluCysArgValLeuGlnGlyLeu  
 GTTCCTTCGGGGCCAGGAGTGTGCTGGAGGAATGCGAGTACTGCAGGGGCTC  
 590 600  
 nCysValAlaCysAlaHisTyrLysAspProProPheCysValAlaArgCys  
 GTGTGTGGCCTGTGCCCACTATAAGGACCCTCCCTTCTGCGTGGCCCCGCTGC  
 640 650  
 rCysValAspLeuAspAspLysGlyCysProAlaGluGlnArgAlaSerPro  
 CTGTGTGGACCTGGATGACAAGGGCTGCCCGCCGAGCAGAGAGCCAGCCCT



FIG. 16C

660  
 2101 LeuThrSerIleValSerAlaValValGlyIleLeuLeuValValVa  
 CTGACGTCCATCGTCTCTGCGGTGGTTGGCATTCTGCTGGTCGTGGT  
 710  
 2251 ThrProSerGlyAlaMetProAsnGlnAlaGlnMetArgIleLeuLy  
 ACACCTAGCGGAGCGATGCCCAACCAGGCGCAGATGCGGATCCTGAA  
 760  
 2401 AlaIleLysValLeuArgGluAsnThrSerProLysAlaAsnLysGl  
 GCCATCAAAGTGTTGAGGGAAAACACATCCCCCAAAGCCAACAAAGA  
 810  
 2551 MetProTyrGlyCysLeuLeuAspHisValArgGluAsnArgGlyAr  
 ATGCCCTATGGCTGCTCTTAGACCATGTCCGGGAAAACCGCGGACG  
 860  
 2701 ValLeuValLysSerProAsnHisValLysIleThrAspPheGlyLe  
 GTGCTGGTCAAGAGTCCCAACCATGTCAAATTACAGACTTCGGGCT  
 910  
 2851 HisGlnSerAspValTrpSerTyrGlyValThrValTrpGluLeuMe  
 CACCAGAGTGATGTGTGGAGTTATGGTGTGACTGTGTGGGAGCTGAT  
 3001 ValTyrMetIleMetValLysCysTrpMetIleAspSerGluCysAr  
 GTCTACATGATCATGGTCAAATGTTGGATGATTGACTCTGAATGTCG  
 1010  
 3151 AspSerThrPheTyrArgSerLeuLeuGluAspAspAspMetGlyAs  
 GACAGCACCTTCTACCGCTCACTGCTGGAGGACGATGACATGGGGGA  
 1060  
 3301 SerThrArgSerGlyGlyGlyAspLeuThrLeuGlyLeuGluProSe  
 TCTACCAGGAGTGGCGGTGGGGACCTGACACTAGGGCTGGAGCCCTC  
 1110  
 3451 LeuProThrHisAspProSerProLeuGlnArgTyrSerGluAspPr  
 CTCCCCACACATGACCCAGCCCTCTACAGCGGTACAGTGAGGACCC  
 1160  
 3601 SerProArgGluGlyProLeuProAlaAlaArgProAlaGlyAlaTh  
 TCGCCCCGAGAGGGCCCTCTGCCTGCTGCCCCGACCTGCTGGTGCCAC  
 1210  
 3751 GlyGlyAlaAlaProGlnProHisProProProAlaPheSerProAl  
 GGAGGAGCTGCCCTCAGCCCCACCCTCCTCCTGCCTTCAGCCCAGC  
 1255  
 3901 LeuAspValProValEND  
 CTGGACGTGCCAGTGTGAACCAGAAGGCCAAGTCCGCAGAAGCCCTG  
 4051 CTAAGGAACCTTCCTTCCTGCTTGAGTTCCCAGATGGCTGGAAGGGG  
 4201 CCCTTTCCTTCAGATCCTGGGTACTGAAAGCCTTAGGGAAGCTGGC  
 4351 ATGGTGTGAGTATCCAGGCTTTGTACAGAGTGCTTTTCTGTTTAGTT  
 4501 TTGTCCATTTGCAAATATATTTTGGAAAACAAAAA

FIG. 16D

0976660-097701

670	680
lLeuGlyValValPheGlyIleLeuIleLysArgArgGlnGlnLysIleAr	
<u>CTTGGGGGTGGTCTTTGGGATCCTCATCAAGCGACGGCAGCAGAAGATCCG</u>	
720	730
sGluThrGluLeuArgLysValLysValLeuGlySerGlyAlaPheGlyTh	
AGAGACGGAGCTGAGGAAGGTGAAGGTGCTTGGATCTGGCGCTTTTGGCAC	
770	780
uIleLeuAspGluAlaTyrValMetAlaGlyValGlySerProTyrValSe	
AATCTTAGACGAAGCATACGTGATGGCTGGTGTGGGCTCCCCATATGTCTC	
△	830
gLeuGlySerGlnAspLeuLeuAsnTrpCysMetGlnIleAlaLysGlyMe	
CCTGGGCTCCCAGGACCTGCTGAACTGGTGTATGCAGATTGCCAAGGGGAT	
870	880 △
uAlaArgLeuLeuAspIleAspGluThrGluTyrHisAlaAspGlyGlyLy	
GGCTCGGCTGCTGGACATTGACGAGACAGAGTACCATGCAGATGGGGGCAA	
920	930
tThrPheGlyAlaLysProTyrAspGlyIleProAlaArgGluIleProAs	
GACTTTTGGGGCCAAACCTTACGATGGGATCCCAGCCCGGGAGATCCCTGA	
970	980
gProArgPheArgGluLeuValSerGluPheSerArgMetAlaArgAspPr	
GCCAAGATTCCGGGAGTTGGTGTCTGAATTCTCCCGCATGGCCAGGGACCC	
1020	1030
pLeuValAspAlaGluGluTyrLeuValProGlnGlnGlyPhePheCysPr	
CCTGGTGGATGCTGAGGAGTATCTGGTACCCCAGCAGGGCTTCTTCTGTCC	
1070	1080
rGluGluGluAlaProArgSerProLeuAlaProSerGluGlyAlaGlySe	
TGAAGAGGAGGCCCCCAGGTCTCCACTGGCACCTCCGAAGGGGCTGGCTC	
1120	1130
oThrValProLeuProSerGluThrAspGlyTyrValAlaProLeuThrCy	
CACAGTACCCTGCCCTCTGAGACTGATGGCTACGTTGCCCCCTGACCTG	
1170	1180
rLeuGluArgAlaLysThrLeuSerProGlyLysAsnGlyValValLysAs	
TCTGGAAAGGGCCAAGACTCTCTCCCAGGGAAGAATGGGGTCGTCAAAGA	
1220	1230
aPheAspAsnLeuTyrTyrTrpAspGlnAspProProGluArgGlyAlaPr	
CTTCGACAACCTCTATTACTGGGACCAGGACCCACCAGAGCGGGGGGCTCC	

ATGTGTCCTCAGGGAGCAGGGAAGGCCTGACTTCTGCTGGCATCAAGAGGT  
TCCAGCCTCGTTGGAAGAGGAACAGCACTGGGGAGTCTTTGTGGATTCTGA  
CTGAGAGGGGAAGCGGCCCTAAGGGAGTGTCTAAGAACAAAAGCGACCCAT  
TTTACTTTTTTTGTTTTTGTTTTTTTTAAAGACGAAATAAAGACCCAGGGGAG

FIG. 16E